

## ABSTRACT

A plurality of first base images are formed from a base color output in accordance with a predetermined adjustment value.

5 A plurality of first correction images are formed on the first base images from a correction color to be a subject for correction output in accordance with a predetermined adjustment value. The first correction images are displaced within a predetermined range. The first adjustment value is determined from changed adjustment

10 values. The second base images are formed from the base color output in accordance with the predetermined adjustment value, and the second correction images are formed from the correction color output in accordance with a plurality of adjustment values determined based on the first adjustment value. The second

15 adjustment value having an extreme is determined from a plurality of adjustment value candidates. Finally, the adjustment value for the correction color is corrected to the determined second adjustment value.